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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,665	06/14/2005	Sheng-Gen Pan	117393-025	4699
	7590 07/31/200 & LLOYD, LLP	EXAMINER		
P.O. BOX 1135	;	DUONG, DIEU HIEN		
CHICAGO, IL 60690			ART UNIT	PAPER NUMBER
			2821	
			MAIL DATE	DELIVERY MODE
			07/31/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Applic	ation No.	Applicant(s)		
Office Action Summary		10/539	,665	PAN, SHENG-GEN		
		Examiı	ier	Art Unit		
		DIEU H	IIEN T. DUONG	2821		
T Period for R	he MAILING DATE of this communeeply	nication appears on	the cover sheet with	the correspondence ac	ddress	
A SHOR WHICHE - Extensior after SIX - If NO peri - Failure to Any reply	TENED STATUTORY PERIOD F EVER IS LONGER, FROM THE IN s of time may be available under the provision: (6) MONTHS from the mailing date of this com od for reply is specified above, the maximum s reply within the set or extended period for reply received by the Office later than three months tent term adjustment. See 37 CFR 1.704(b).	MAILING DATE OF s of 37 CFR 1.136(a). In no munication. tatutory period will apply an y will, by statute, cause the	THIS COMMUNICA event, however, may a reply d will expire SIX (6) MONTHS application to become ABAN	TION. / be timely filed S from the mailing date of this of DONED (35 U.S.C. § 133).		
Status						
2a)⊠ Th 3)⊡ Sir	sponsive to communication(s) file is action is FINAL . Ince this application is in condition sed in accordance with the pract	2b)☐ This action is for allowance exce	s non-final. opt for formal matters		e merits is	
Disposition	of Claims					
4a) 5)□ Cla 6)⊠ Cla 7)□ Cla	aim(s) <u>6-10</u> is/are pending in the Of the above claim(s) is/a im(s) is/a im(s) is/are allowed. aim(s) <u>6-10</u> is/are rejected. aim(s) is/are objected to. aim(s) are subject to restri	are withdrawn from				
10) The	e specification is objected to by the drawing(s) filed on 29 April 200 plicant may not request that any objected that any objected the coath or declaration is objected the specification is objected the coath or declaration is objected the coath of the coa	8 is/are: a)⊠ acce ection to the drawing(s g the correction is req	s) be held in abeyance uired if the drawing(s)	. See 37 CFR 1.85(a). is objected to. See 37 C	` '	
Priority und	er 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
2) Notice of 3) Information	References Cited (PTO-892) Draftsperson's Patent Drawing Review (Ion Disclosure Statement(s) (PTO/SB/08) (s)/Mail Date	PTO-948)	Paper No(s)/M	nmary (PTO-413) fail Date mal Patent Application		

DETAILED ACTION

This office action is a response to applicant's amendment filed 04/29/2008. In virtue of this amendment, claims 1-5 are canceled; thus, claims 6-10 are currently in the instant application.

Drawings

1. The drawing filed 04/29/2008 is acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

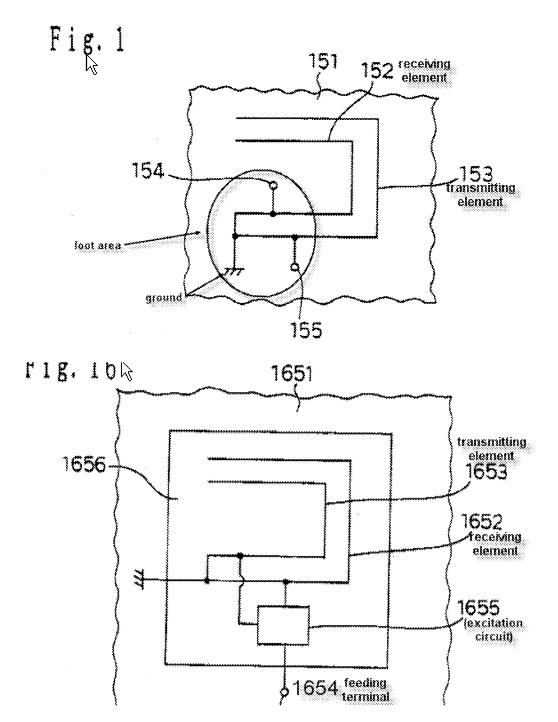
A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 6-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Kane et al. (US 6,639,555 B1 of record), hereinafter "Kane".

Regarding claim 6, Kane discloses, in Figures 1 and 16, an antenna structure having a substantially flat form with a ground connection, which is designed for use for at least two frequency bands, comprising two antenna branches (152, 153), which are electrically conductively connected to a foot area, wherein the foot area surrounds the ground connection; two RF supply connections (154, 155) that are arranged at a distance from one another, provided in the foot area, between which the ground connection is provided, wherein the two antenna branches (152, 153) of the antenna structure are designed such that their associated frequency bands overlap; and an

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excitation circuit with an RF supply line, which branches to the two RF supply connections.



Regarding claim 7, as applied to claim 6, Kane discloses, wherein the antenna structure is a planar, inverted F structure.

Regarding claim 8, as applied to claim 6, Kane discloses, in Figure 6, wherein the two antenna branches (152, 153) of the antenna structure are each designed in a meandering shape.

Regarding claim 9, as applied to claim 6, Kane discloses, in Figure 6, wherein the two antenna branches (152, 153) are in the form of a double meander.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kane et al. (US 6,639,555 B1), hereinafter "Kane".

Regarding claim 10, Kane discloses every feature of claimed invention as expressly recited in claim 6, except for the distance between the two meandering antenna branches is in the range between 0.5 and 10 mm.

However, such difference is not of patentable merits since the distance can be determined to obtain desired radiation characteristics in a space requirement in the electronic device. Therefore, to employ having the distance between the two meandering antenna branches being in the range between 0.5 and 10 mm would have deemed obvious design choice to person skill in the art.

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Response to Arguments

6. Applicant's arguments filed 04/29/2008 have been fully considered but they are not persuasive.

Applicant argues that Kane fails to disclose an excitation circuit.

Examiner respectfully disagrees.

Kane clearly discloses, in Figure 16, an excitation circuit (1655). Applicant is not specific about an excitation circuit in the disclosure to show how the excitation circuit is distinguished from the common component of the prior art. Therefore, the common component 1655 of the prior art is considered as the excitation circuit of claimed invention.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Inquiry

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8. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to DIEU HIEN T. DUONG whose telephone number is

(571)272-8980. The examiner can normally be reached on Monday - Friday, from

8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Douglas W. Owens can be reached on 571-272-1662. The fax phone

number for the organization where this application or proceeding is assigned is 571-

273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

07/22/08

DD

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/Douglas W Owens/

Supervisory Patent Examiner, Art Unit 2821